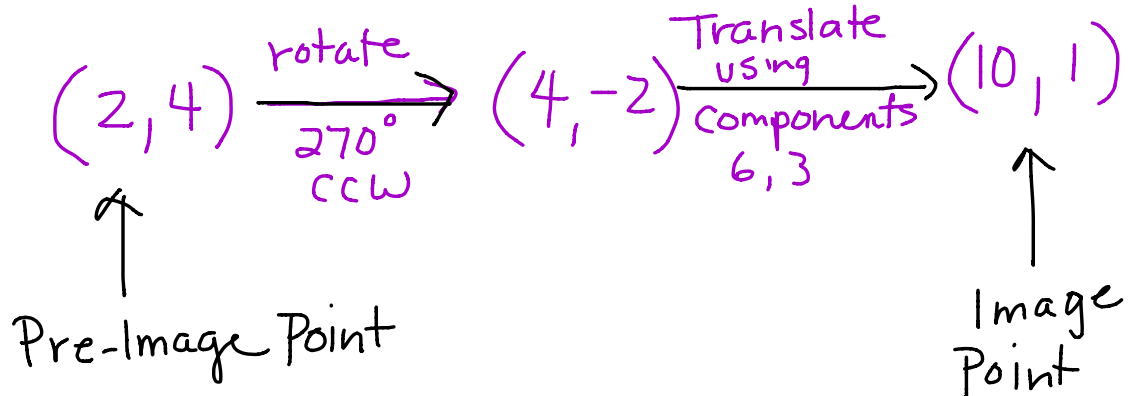


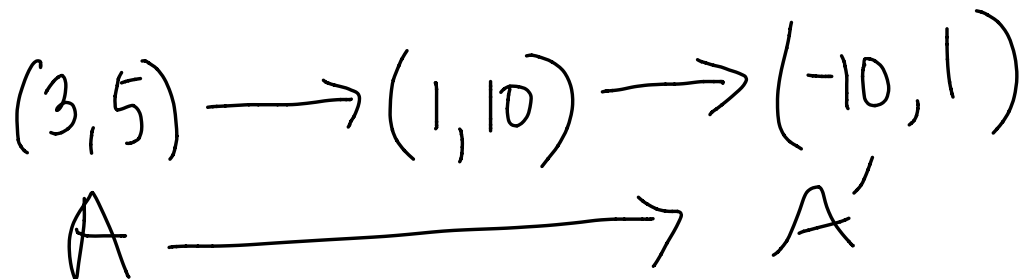
Composite Transformations

Composite Transformation is when 2 or more transformations (rigid and/or size) occur in succession (one right after another).



Examples:

1. Using $(3, 5)$ translate using components $-2, 5$ and then rotate 90° CCW.



2. Using (x, y) reflect over the $y=x$ line and then do a size transformation with magnitude of 3.

$$(x, y) \rightarrow (y, x) \rightarrow (3y, 3x)$$

3. Using (x,y) rotate 180° CW and then reflect over the $y=-x$ line.

$$(x, y) \rightarrow (-x, -y) \rightarrow (y, x)$$